



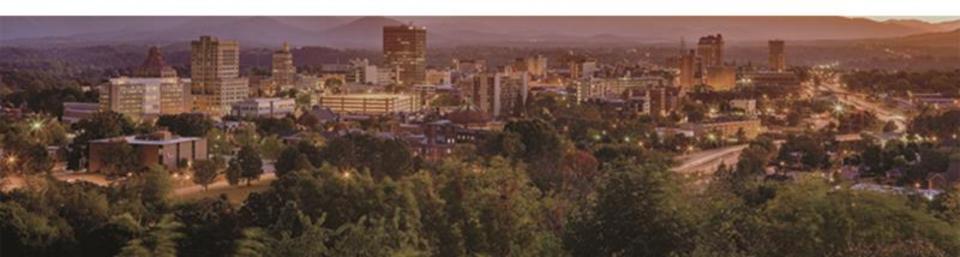


Viral Hepatitis B and C Epidemiology in North Carolina 2018

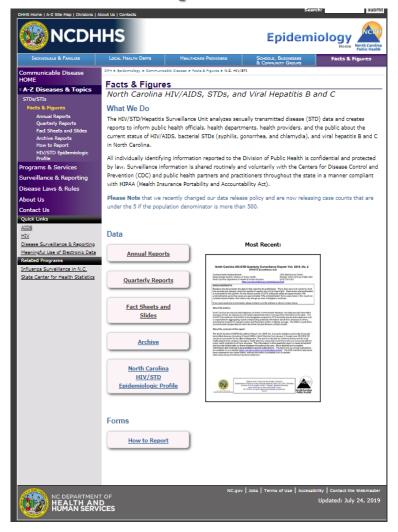
August 2019

Division of Public Health/Epidemiology Section/Communicable Disease Branch

HIV/STD/Hepatitis Surveillance Unit



Where to find Hepatitis B/C Information?

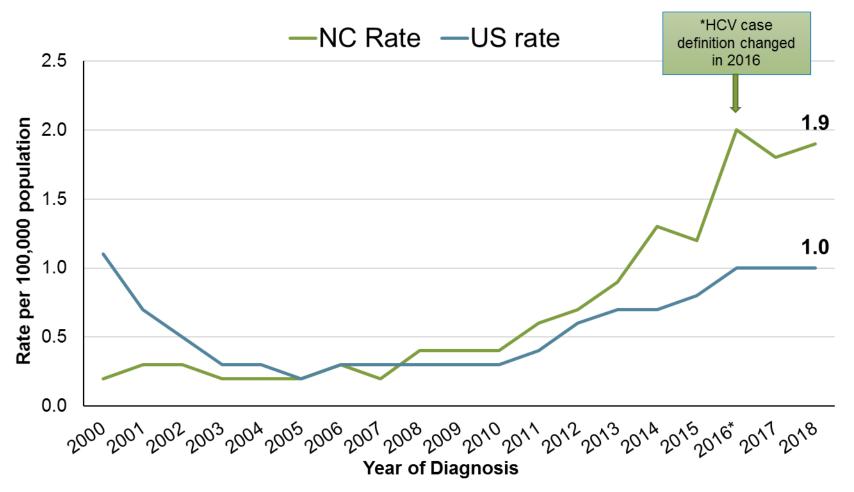




http://epi.publichealth.nc.gov/cd/stds/figures.html



Acute HCV Rates in North Carolina and United States, 2000-2018



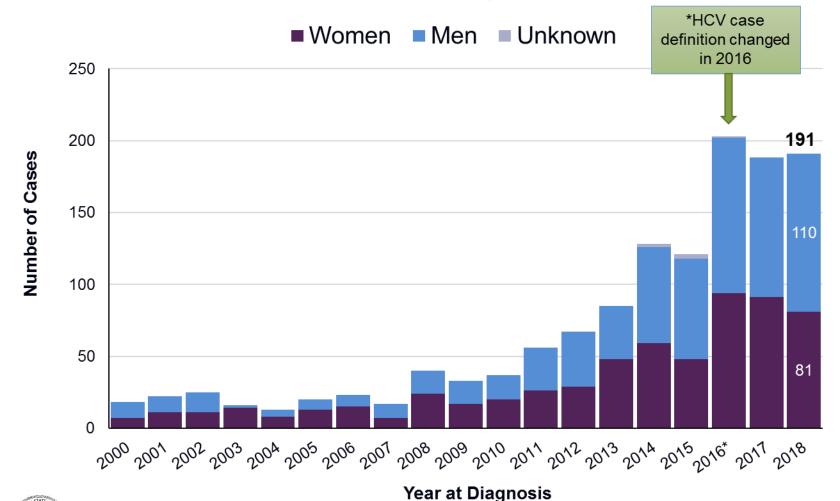


*Case definition for HCV changed in 2016.

Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 1, 2019) and Surveillance for Viral Hepatitis, United States, 2009-2015 CDC reports (https://www.cdc.gov/hepatitis/statistics/index.htm).



Acute HCV Cases By Gender North Carolina, 2000-2018





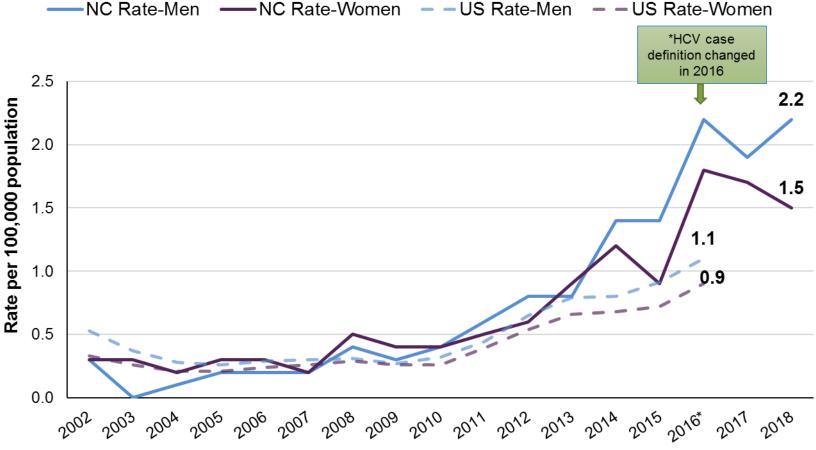
^{*}Case definition for HCV changed in 2016.

Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 1, 2019).



NC DEPARTMENT OF HEALTH AND HUMAN SERVICES

Acute HCV Rates by Gender in North Carolina and United States, 2000-2018





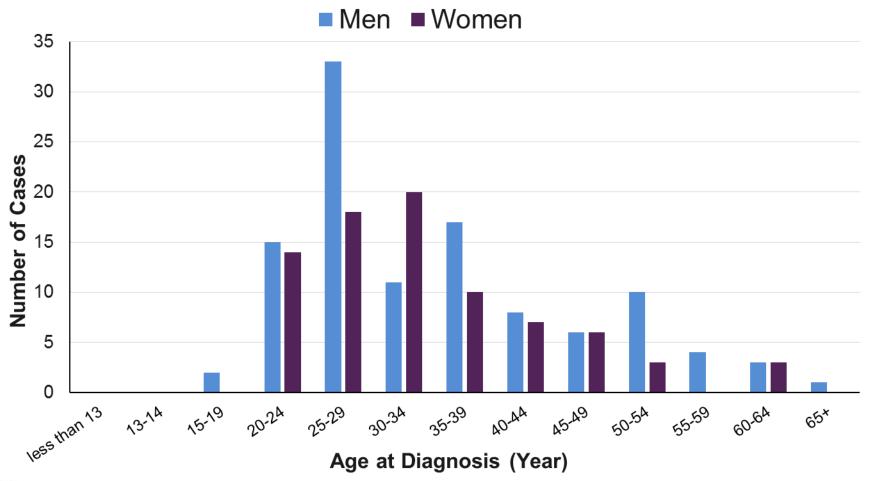


*Case definition for HCV changed in 2016.

Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 3, 2018) and Surveillance for Viral Hepatitis, United States, 2000-2016 CDC reports (https://www.cdc.gov/hepatitis/statistics/index.htm).



Age Distribution of Acute HCV Cases by Gender, North Carolina, 2018

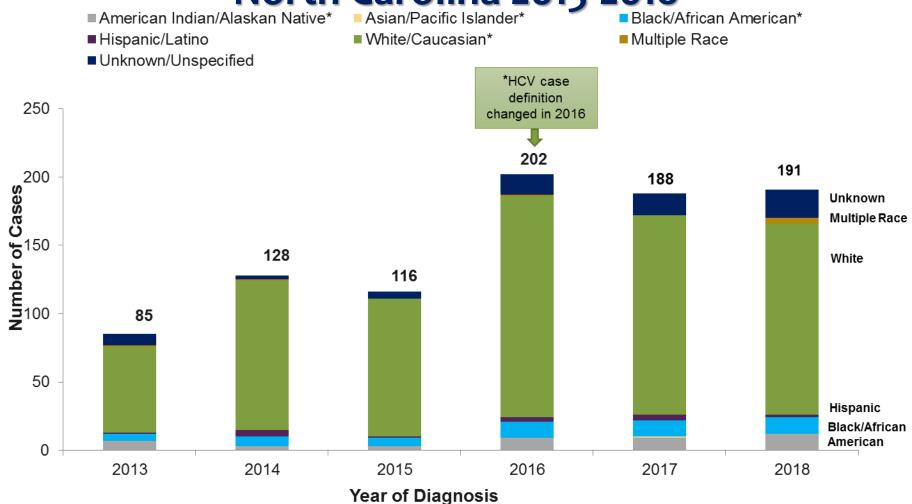




Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 1, 2019).



Acute HCV Cases by Race/Ethnicity North Carolina 2013-2018



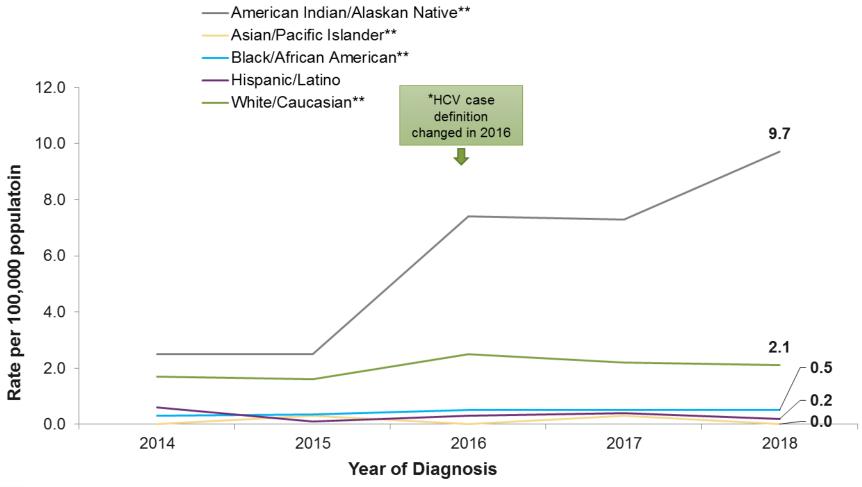


*Case definition for HCV changed in 2016.

Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 1, 2019).



Acute HCV Rates by Race/Ethnicity North Carolina 2014-2018



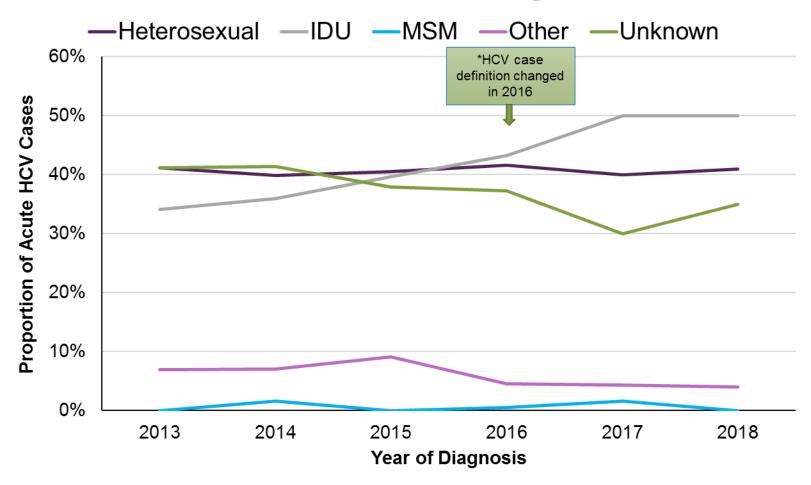


*Case definition for HCV changed in 2016.

Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 3, 2018).



Acute HCV Cases by Reported Risk* North Carolina 2013-2018

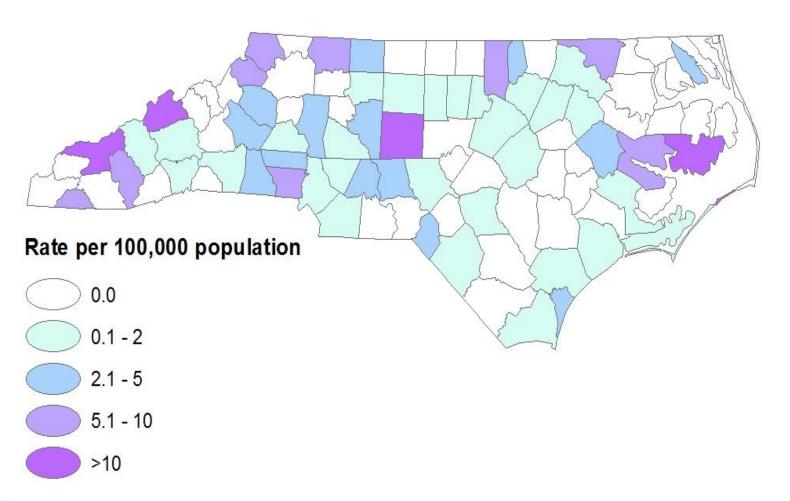




*People may report more than one risk, so totals may not add up to the case total. Rates are not presented due to the lack of population data for the exposure groups. Other risk includes healthcare exposure, or contact with a positive HCV individual. Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 1, 2019).



Acute HCV County Rates in North Carolina 2018

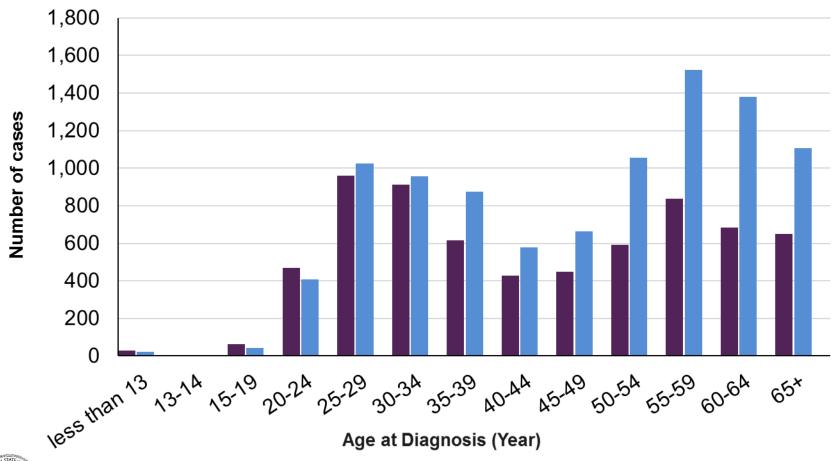






Age Distribution of Chronic HCV Cases by Gender, North Carolina, 2018

■ Women ■ Men ■ Unknown

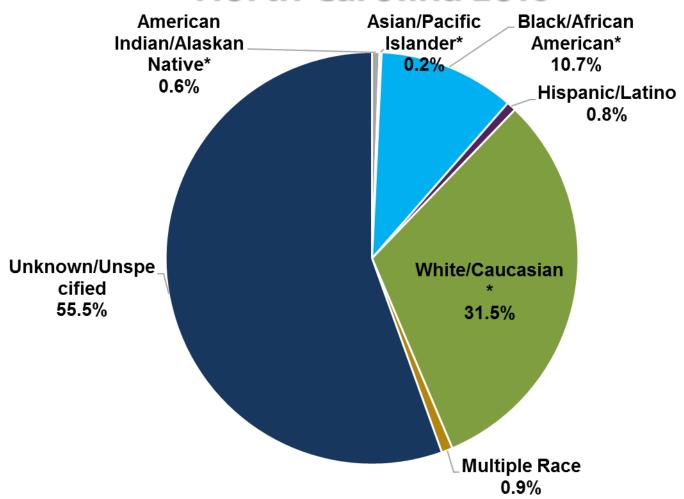




North Carolina

Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 1, 2019).

Chronic HCV Cases by Race/Ethnicity North Carolina 2018



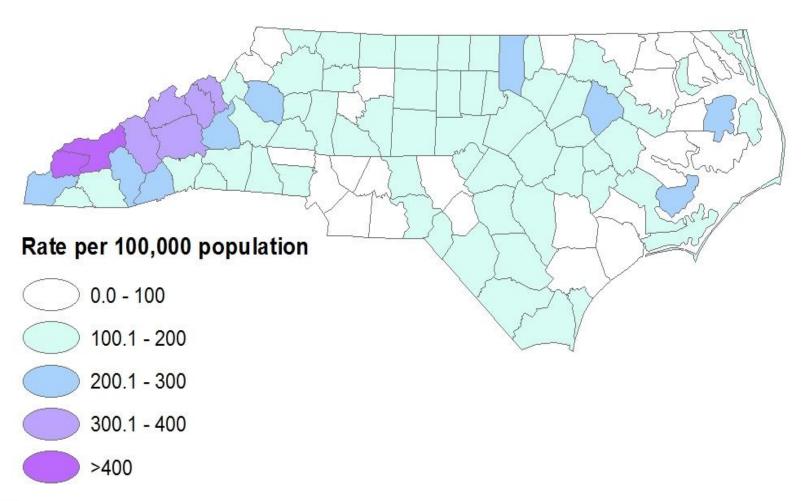


*Non-Hispanic/Latino

Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of June 1, 2019). Risk information is unavailable. Chronic HCV is not investigated.



Chronic HCV County Rates in North Carolina 2018







VIRAL HEPATITIS AND CO-MORBIDITIES





Conquering the Syndemic: The Impact of HCV, HIV, and Opioid Overdoses in North Carolina

HCV

- •Reported acute HCV, 2018¹ = 191 (5-fold increase from 2010)
- •Estimated people living with chronic HCV in U.S., 2016² = 2.4 million (Trends in mortality and curative treatment indicate the prevalence is lower today.)
- •Average lifetime treatment cost of chronic HCV³ = \$100,000/person

Syndemic

- •Estimate 7-13% of HIV-infected people in NC are co-infected with HCV (CDC estimates 25%)^{4,5}
- •At least 6% of people diagnosed with HIV in NC in 2018 were exposed through injection drug use1
 - •An estimated 50%–90% of HIV-infected injection drug users are co-infected with HCV6
 - •Around 50% of people with acute HCV in 2018 reported injection drug use¹

Opioid Overdoses

- •Prescription opioid deaths in NC, 2016⁷ = 1,194
- •Heroin deaths, 2016⁷ = 697
- •CDC estimates the cost of drug overdose deaths in NC, 20168 = \$1.3 billion

HIV Infections

- •Newly reported HIV, 2018¹ = 1,218
- •People living with HIV, 2018¹ = 35,457
- Average lifetime treatment cost of HIV⁹ = >\$370,000/person



¹NC HIV/STD/Hepatitis Annual Surveillance Report, 2018; ²CDC Surveillance for Viral Hepatitis (https://www.cdc.gov/hepatitis/hcv/hcvfaq.htm#Ref01). ³In the absence of liver transplant (C. Everett Koop Institute, Dartmouth https://www.edc.gov/hepatitis/http



2018 HIV/Hepatitis B/Hepatitis C Coinfection

